

OMB No. 0651-0011  
Page 1 of 6

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket N. : 150.01180102	Serial No.: 10/771,050
	Applicant(s): Brian A. Vaarstra	Confirmation No.: Unassigned
	Application Filing Date: February 3, 2004	Group: Unassigned
	Information Disclosure Statement mailed: <u>April 26</u> , 2004	

**U.S. PATENT DOCUMENTS**

Examiner Initials	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CL		4,035,500	07/12/77	Drafter Jr.			
		4,297,436	10/27/81	Kubortera et al.			
		4,670,306	06/02/87	Salem			
		4,747,907	05/31/88	Acocella et al.			
		4,992,137	02/12/91	Cathey, Jr. et al.			
		5,254,217	10/19/93	Maniar et al.			
		5,318,927	06/07/94	Sandhu et al.			
		5,378,492	01/03/95	Mashiko			
		5,380,401	01/10/95	Jones et al.			
		5,392,189	02/21/95	Fazan et al.			
		5,480,854	01/06/96	Rajaram et al.			
		5,527,423	06/18/96	Neville et al.			
		5,575,885	11/19/96	Hirabayashi et al.			
		5,692,950	12/02/97	Rutherford et al.			
		5,695,384	12/09/97	Beratan			
		5,700,383	12/23/97	Feller et al.			
		5,711,851	01/27/98	Blalock et al.			
CL		5,786,259	07/28/98	Kang			

<b>EXAMINER</b> <i>Calmonlee</i>	<b>Date Considered</b> <i>6.21.04</i>
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

OMB No. 0651-0011  
Page 2 of 6

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 150.01180102	Serial No.: 10/771,050
	Applicant(s): Brian A. Vaartstra	Confirmation No.: Unassigned
	Application Filing Date: February 3, 2004	Group: Unassigned
	Information Disclosure Statement mailed: <u>April 26</u> , 2004	

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
cl		5,888,906	03/30/99	Sandhu et al.			
		5,916,855	06/29/99	Avanzino et al.			
		5,935,871	08/10/99	Farkas et al.			
		5,954,997	09/21/99	Kaufman et al.			
		5,958,794	09/28/99	Bruxvoort et al.			
		5,976,928	11/02/99	Kirlin et al.			
		5,981,454	11/9/99	Small			
		5,989,988	11/23/99	Iinuma et al.			
		6,015,506	01/18/00	Streinz et al.			
		6,039,633	03/21/00	Chopra			
		6,045,716	04/04/00	Walsh et al.			
		6,069,080	05/30/00	James et al.			
		6,071,816	06/06/00	Watts et al.			
		6,110,830	08/29/00	Skrovan et al.			
		6,143,191	11/07/00	Baum et al.			
		6,143,192	11/07/00	Westmoreland			
		6,149,828	11/21/00	Vaartstra			
		6,211,034	04/03/01	Visokay et al.			
		6,261,157	07/17/01	Bajaj et al.			
cl		6,278,153	08/21/01	Kikuchi et al.			

EXAMINER <i>cabrala</i>	Date Considered <i>6.21.04</i>
----------------------------	-----------------------------------

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OMB No. 0651-001J  
Page 3 of 6

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 150.01180102	Serial No.: 10/771,050
	Applicant(s): Brian A. Vaartstra	Confirmation No.: Unassigned
	Application Filing Date: February 3, 2004	Group: Unassigned
	Information Disclosure Statement mailed: <i>April 26</i> , 2004	

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>CL</i>		6,290,736	09/18/01	Evans			
		6,306,012	10/23/01	Sabde			
		6,346,741	02/12/02	Van Buskirk et al.			
		6,368,518	04/09/02	Vaartstra			
		6,395,194	05/28/02	Russell et al.			
		6,436,723	08/20/02	Tomita et al.			
		6,451,214	09/17/02	Westmoreland			
		6,454,957	09/24/02	Westmoreland			
		6,476,491	11/05/02	Harada et al.			
		6,527,622	03/04/03	Brusic et al.			
		6,527,818	03/04/03	Hattoni et al.			
		6,537,462	03/25/03	Westmoreland			
		6,589,100	07/08/03	Moeggenborg et al.			
		6,730,592	05/04/04	Vaartstra			
		2001/0006031	07/05/01	Tsuchiya et al.			
		2001/0023701	09/27/01	Aoki et al.			
		2002/0017063	02/14/02	Beitel et al.			
		2002/0008265	01/24/02	Beitel et al.			
		2002/0050322	05/02/02	Kunisawa et al.			
<i>CL</i>		2002/0081853	06/27/02	Beitel et al.			

EXAMINER <i>carlson</i>	Date Considered <i>6.21.04</i>
----------------------------	-----------------------------------

\* Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OMB No. 0651-0011  
Page 4 of 6

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 150.01180102	Serial No.: 10/771,050
	Applicant(s): Brian A. Vaartstra	Confirmation No.: Unassigned
	Application Filing Date: February 3, 2004	Group: Unassigned
	Information Disclosure Statement mailed: <u>April 26</u> , 2004	

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CL		2002/0019088	02/14/02	Basceri et al.			
		2002/0111026	08/15/02	Small et al.			
		2002/0111027	08/15/02	Sachan et al.			
		2002/0151177	10/17/02	Cherian et al.			
		2002/0039839	04/04/02	Thomas et al.			
		2003/0121891	07/03/03	Westmoreland			
		2003/0119316	06/26/03	Klein et al.			
		2003/0119426	06/26/03	Sabde et al.			
		2003/0119321	06/26/03	Unhlenbrock et al.			
		2003/0119319	06/26/03	Sinha et al.			
		2003/0119304	06/26/03	Vaartstra			
CL		2003/0138561	07/24/03	Westmoreland			

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
CL		WO 98/06541	02/19/98	PCT				
CL		WO 98/36045	08/20/98	PCT				
CL		WO 99/27581	06/03/99	PCT				
CL		WO 99/53532	10/21/99	PCT				
CL		WO 00/31794	06/02/00	PCT				

<b>EXAMINER</b> <i>calomba</i>	<b>Date Considered</b> <i>6. 21. 04</i>
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 150.01180102	Serial No.: 10/771,050
	Applicant(s): Brian A. Vaartstra	Confirmation No.: Unassigned
	Application Filing Date: February 3, 2004	Group: Unassigned
Information Disclosure Statement mailed: <u>April 26</u> , 2004		

C	WO 01/44396	06/21/00	PCT			
	WO 00/77107	12/21/01	PCT			
	WO 02/084718	10/24/02	PCT			
	1 111 083	06/27/01	Europe			
	1 156 091	11/21/01	Europe			
	1 123 956	08/16/01	Europe			
C	2000 200782	07/18/00	Japan (English Abstract Included)			

## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
C		Canterford et al., "Chapter 9: Rhodium and Iridium," <i>Halides of the Transition Elements, Halides of the Second and Third Row Transition Metals</i> , John Wiley & Sons, New York, NY, 1968; pgs. 346-357, publication page, title page (14 pages total).
C		DeOrnellas et al., "Challenges for Plasma Etch Integration of Ferroelectric Capacitors in FeRAM's and DRAM's," <i>Integrated Ferroelectrics</i> , 1997;17:395-402.
C		DeOrnellas et al., "Plasma Etch of Ferroelectric Capacitors in FeRAMs and DRAMs," <i>Semiconductor International</i> , 1997 Sept.; pgs. 103-104, 106 and 108.
C		Ginzburg et al., <i>Analytical Chemistry of Platinum Metals</i> , John Wiley & Sons, New York, cover pg., and 14-15.
C		Kim et al., "Chemical Dry Etching of Platinum Using Cl <sub>2</sub> /CO Gas Mixture," <i>Chem. Mater.</i> , 1998;10:3576-3582.

EXAMINER	<u>calvender</u>	Date Considered
6.21.04		
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 150.01180102	Serial No.: 10/771,050
	Applicant(s): Brian A. Vaartstra	Confirmation No.: Unassigned
	Application Filing Date: February 3, 2004	Group: Unassigned
	Information Disclosure Statement mailed: <i>April 26, 2004</i>	

Examiner Initials	Copy Enclosed	Document Description
<i>CL</i>		Kwon et al., "Etching properties of Pt thin films by inductively coupled plasma," <i>J. Vac. Sci. Technol.</i> , 1998; A 16(5):2772-6.
		Nakao, "Dissolution of Noble Metals in Halogen-Halide-Polar Organic Solvent Systems," <i>J. Chem. Soc., Chem. Commun.</i> , 1992 March 1; 5:426-7.
		Weast et al., "CRC Handbook of Chemistry and Physics," Chemical Rubber Publishing Company, 1989: D151-154
		Wilberg, <i>Lehrbuch der Anorganischen Chemie</i> , Walter de Gruyter, Berlin, 1985, pg. 1118 (Translation of First Paragraph Only)
		Xu et al., "Chemical Vapor Deposition (CVD) of Iridium and Platinum Films and Gas-Phase Chemical Etching of Iridium Thin Films," <i>Mat. Res. Soc. Symp. Proc.</i> , 1999; 541:129-139.
<i>CL</i>		Webster's II, New Riverside University Dictionary, 1984: pgs. 258,842

<b>EXAMINER</b> <i>calvonee</i>	<b>Date Considered</b> <i>6.21.04</i>
*Examiner: Initials if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	